

lower horizontal chord member. After installation of the signs is completed, they shall be further inspected at night by the Engineer.

#### **850.05. METHOD OF MEASUREMENT.**

*Signs* will be measured by the square foot (square meter) of area of the vertical front face with no deduction for rounding off sign corners.

#### **850.06. BASIS OF PAYMENT.**

Accepted signs, measured as provided above, will be paid for at the contract unit price as follows:

- (A) SHEET ALUMINUM SIGNS ..... SQUARE FOOT (SQUARE METER)
- (B) EXTRUDED ALUMINUM PANEL SIGNS ..... SQUARE FOOT (SQUARE METER)
- (C) MAST ARM MOUNTED SIGNS ..... SQUARE FOOT (SQUARE METER)
- (D) SPECIAL SIGNS.EACH OR ..... SQUARE FOOT (SQUARE METER)

Such payment shall be full compensation for furnishing all materials, labor, equipment and incidentals necessary to complete the work as specified.

## **SECTION 851 GALVANIZED STEEL SIGN POSTS**

#### **851.01. DESCRIPTION.**

This work shall consist of furnishing materials and constructing galvanized steel sign post footings in accordance with these Specifications and in reasonably close conformity with the dimensions and locations shown on the Plans or established by the Engineer.

#### **851.02. MATERIALS.**

Materials shall meet the requirements of Section 721.

#### **851.04. CONSTRUCTION METHODS.**

Should it be necessary to field cut a steel post, place the cut end in the concrete foundation. Any parts of steel posts from which galvanizing has been knocked or chipped off down to bare metal in transit, erection, or field alteration shall be regalvanized, metalized, or painted with an approved zinc dust-oxide paint.

#### **851.05. METHOD OF MEASUREMENT.**

*Sign posts* will be measured by the linear foot (meter) of the various sizes of galvanized steel posts erected in place as shown on the Plans or as directed by the Engineer.

On sign posts which require breakaway capabilities the breakaway design elements are considered a part of the sign post and are not measured separately.

Unless otherwise provided, footings will be measured and paid for in accordance with Section 804 and as shown on the Plans.

#### 851.06. BASIS OF PAYMENT.

Accepted sign post, measured as provided above, will be paid for at the contract unit price as follows:

- (A) GALVANIZED STEEL WIDE FLANGE BEAM POSTS ..... LINEAR FOOT (METER)
- (B) GALVANIZED STEEL PIPE POSTS ..... LINEAR FOOT (METER)
- (C) SQUARE TUBE POST ..... LINEAR FOOT (METER)
- (D) FLANGE CHANNEL POSTS ..... LINEAR FOOT (METER)

Such payment shall be full compensation for furnishing all materials, equipment, labor, and incidentals necessary to complete the work as specified.

## SECTION 852 OVERHEAD SIGN STRUCTURES

#### 852.01. DESCRIPTION.

This work shall consist of furnishing materials and constructing overhead sign structures on prepared footings in accordance with these Specifications and in reasonably close conformity with the Plans or established by the Engineer.

#### 852.02. MATERIALS.

Materials shall meet the requirements of Section 720. Materials and construction of concrete footings shall conform with Section 804 and as shown on the Plans.

#### 852.04. CONSTRUCTION METHODS.

Requirements for aluminum or steel:

- (a) **Design.** General data for design of overhead sign structures shall be in accordance with the AASHTO Publication Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, or with Oklahoma Department of Transportation Standard drawings.  
Shop drawings will be required and shall be approved by the Department prior to fabrication.
- (b) **Welding.** The welding of aluminum shall be in accordance with Subsection 720.03. Qualification of procedures, welders, and welding operations shall be in accordance with Subsection 720.03.  
Welding of steel, including qualification of welders, shall conform with the requirements of AASHTO/ANSI/AWS D 1.1.
- (c) **Fabrication.** The structure shall be free from all sharp edges and irregularities and shall be free from any misfits or structural deficiencies. All members must fit and make for an easy and quick erection. Unless otherwise shown on the Plans, all overhead sign structures including bridge mounted structures shall be complete with walkways, handrails, sign lights, electrical conduits, and wiring.